

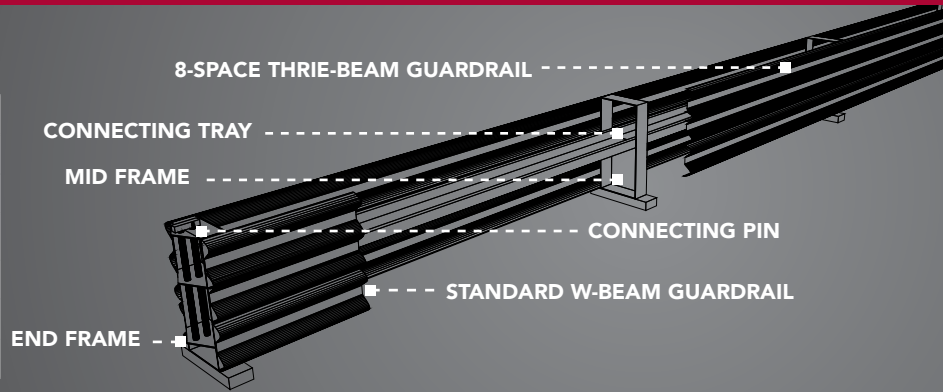
## ORION™ | PORTABLE LONGITUDINAL STEEL BARRIER

- AVAILABLE AS A COMPLETE SYSTEM OR KIT
- EASY TO ASSEMBLE, DEPLOY AND REMOVE
- ALLOWS FOR A CURVE RADIUS AS LOW AS 1165' (355 m)
- NCHRP 350 TL-3 ACCEPTED



**PHYSICAL SPECIFICATIONS**

Classification	Longitudinal Barrier	
Length	38' 10"	11.8 m
Width	18"	460 mm
Height	34"	870 mm
Weight	1975 lb.	895 kg
Perm. TL-3 Deflection*	37.4"	950 mm
Test Level	NCHRP 350 TL-3	



**FUNCTIONALITY MEETS AFFORDABILITY**

The Orion Portable Steel Barrier has been engineered to provide superior performance at an economical price. The Orion Portable Steel Barrier’s unique design incorporates standard off-the-shelf components to create an NCHRP 350 TL-3 accepted longitudinal barrier. 8-Space thrie-beam guardrail and standard w-beam guardrail connect to a steel frame to create the Orion Portable Steel Barrier. This unique design allows the Orion Portable Steel Barrier to be sold as either a complete system or in kit form. The Orion Portable Steel Barrier is lightweight, easy to transport, easy to deploy and easy to repair. Up to 1150’ (350 m) of Orion Portable Steel Barrier can be deployed in one hour.

**FREQUENTLY ASKED QUESTIONS**

**Is the Orion Portable Steel Barrier available as a kit?**

Yes, a contractor kit includes the Orion support structure and connecting pin less guardrail and guardrail hardware.

**How many sections are needed to make a NCHRP 350 TL-3 compliant system?**

The Orion Portable Steel Barrier System was tested using two Orion modules to meet the NCHRP 350 TL-3 criteria.

**Are end treatments available?**

Yes, most commercially available temporary crash cushions can be used to shield the Orion Portable Steel Barrier if end treatments are needed.

**How many Orion Sections will fit on a flatbed truck?**

Fifteen Sections, 574’ (175 m), can be loaded onto a standard flat bed truck.

**FEATURES**

- » Available in kit or system form
- » Only first and last Orion sections need to be anchored\*
- » Only 18” (460 mm) wide; ideal for narrow medians in construction zones
- » Allows for a radius as low as 1165’ (355 m)
- » 6’ (1.84 m) NCHRP 350 TL-3 Deflection (2000 kg, 25°, 100 km/h)
- » Low deflection, “fully pinned” option available
- » Each section weighs only 1975 lb. (895 kg)

\*37.4” (950 mm) permanent deflection can be achieved by anchoring each section to create an Orion Minimal Deflection System. Standard deflection is 72.8” (1850 mm) when only the first and last sections are anchored.

**DISTRIBUTED BY:**



Lindsay Transportation Solutions Sales and Services, Inc.

180 River Road • Rio Vista, CA 94571 • +1 707.374.6800 U.S. Toll Free: 888.800.3691 • www.barrriersystemsinc.com

General details for the Orion System are subject to change without notice to reflect improvements and upgrades.

Additional information is available from Lindsay Transportation Solutions Sales and Services, Inc. © Lindsay Transportation Solutions, Inc.

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